

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/587,398  
Source: IFWP  
Date Processed by STIC: 8/9/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 08/09/2006

PATENT APPLICATION: US/10/587,398

TIME: 11:13:25

Input Set : A:\PTO.SS.TXT

Output Set: N:\CRF4\08092006\J587398.raw

3 <110> APPLICANT: LIFECORD INC. et al.

5 <120> TITLE OF INVENTION: METHOD FOR ISOLATING AND CULTURING MULTIPOTENT  
PROGENITOR/STEM CELLS

6 FROM UMBILICAL CORD BLOOD AND METHOD FOR INDUCING DIFFERENTIATION THEREOF

8 <130> FILE REFERENCE: Q96125

C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/587,398

C--> 10 <141> CURRENT FILING DATE: 2006-07-27

10 <150> PRIOR APPLICATION NUMBER: KR2004-6088

11 <151> PRIOR FILING DATE: 2004-01-30

13 <150> PRIOR APPLICATION NUMBER: KR2005-6595

14 <151> PRIOR FILING DATE: 2005-01-25

16 <150> PRIOR APPLICATION NUMBER: PCT/KR2005/000278

17 <151> PRIOR FILING DATE: 2005-01-31

19 <160> NUMBER OF SEQ ID NOS: 28

21 <170> SOFTWARE: KopatentIn 1.71

23 <210> SEQ ID NO: 1

24 <211> LENGTH: 20

25 <212> TYPE: DNA

26 <213> ORGANISM: Artificial Sequence

28 <220> FEATURE:

29 <223> OTHER INFORMATION: forward primer specific for alkaline phosphatase

32 <400> SEQUENCE: 1

33 acgtggcctaa gaatgtcatc 20

36 <210> SEQ ID NO: 2

37 <211> LENGTH: 19

38 <212> TYPE: DNA

39 <213> ORGANISM: Artificial Sequence

41 <220> FEATURE:

42 <223> OTHER INFORMATION: reverse primer specific for alkaline phosphatase

45 <400> SEQUENCE: 2

46 ctggtaggcg atgtcctta 19

49 <210> SEQ ID NO: 3

50 <211> LENGTH: 18

51 <212> TYPE: DNA

52 <213> ORGANISM: Artificial Sequence

54 <220> FEATURE:

55 <223> OTHER INFORMATION: forward primer specific for type I procollagen

58 <400> SEQUENCE: 3

59 tgacgagacc aagaactg 18

62 <210> SEQ ID NO: 4

63 <211> LENGTH: 20

64 <212> TYPE: DNA

65 <213> ORGANISM: Artificial Sequence

67 <220> FEATURE:

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68 <223> OTHER INFORMATION: reverse primer specific for type I procollagen
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72 cgatccaaac cactgaaacc 20
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 20
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: forward primer specific for myoD
84 <400> SEQUENCE: 5
85 aatgtagcag gtgtaaccgt 20
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 20
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: reverse primer specific for myoD
97 <400> SEQUENCE: 6
98 gcctttattt tgatcacctg 20
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 20
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: forward primer specific for myogenin
110 <400> SEQUENCE: 7
111 cactacttct gtagcagggg 20
114 <210> SEQ ID NO: 8
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: reverse primer specific for myogenin
123 <400> SEQUENCE: 8
124 tctctcaaac cgtttcactt 20
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 20
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: forward primer specific for myosin heavy chain
136 <400> SEQUENCE: 9
137 tgtgaatgcc aaatgtgctt 20
140 <210> SEQ ID NO: 10
141 <211> LENGTH: 20
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: reverse primer specific for myosin heavy chain

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149 <400> SEQUENCE: 10
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153 <210> SEQ ID NO: 11
154 <211> LENGTH: 20
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: forward primer specific for Flt-1/VEGFR-1
162 <400> SEQUENCE: 11
163 ggtcttacgg agtattgctg                                20
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 20
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: reverse primer specific for Flt-1/VEGFR-1
175 <400> SEQUENCE: 12
176 ctttcttttg ggtctctgtg                                20
179 <210> SEQ ID NO: 13
180 <211> LENGTH: 20
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: forward primer specific for KDR/VEGFR-2
188 <400> SEQUENCE: 13
189 ggacctggcg gcacgaaata                                20
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: reverse primer specific for KDR/VEGFR-2
201 <400> SEQUENCE: 14
202 aggcgggctc ttctgcttac                                20
205 <210> SEQ ID NO: 15
206 <211> LENGTH: 30
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: forward primer specific for ecNOS
214 <400> SEQUENCE: 15
215 aagacatttt cgggctcacg ctgcgcaccc                    30
218 <210> SEQ ID NO: 16
219 <211> LENGTH: 30
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: reverse primer specific for ecNOS
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228 tggggtaggc actttagtag ttctcctaac 30
231 <210> SEQ ID NO: 17
232 <211> LENGTH: 19
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: forward primer specific for VE-cadherin
240 <400> SEQUENCE: 17
241 gatgcagagg ctcatgatg 19
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: reverse primer specific for VE-cadherin
253 <400> SEQUENCE: 18
254 cttgcgactc acgcttgact 20
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 20
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: forward primer specific for vWF
266 <400> SEQUENCE: 19
267 caccgtttgc ccacccttcg 20
270 <210> SEQ ID NO: 20
271 <211> LENGTH: 20
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: reverse primer specific for vWF
279 <400> SEQUENCE: 20
280 gccactggg agccgacact 20
283 <210> SEQ ID NO: 21
284 <211> LENGTH: 19
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: forward primer specific for beta-actin
292 <400> SEQUENCE: 21
293 tgaaccaggc ttcagcatc 19
296 <210> SEQ ID NO: 22
297 <211> LENGTH: 20
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: reverse primer specific for beta-actin
305 <400> SEQUENCE: 22
306 ggacttcgag caagatatg 20

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309 <210> SEQ ID NO: 23
310 <211> LENGTH: 25
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: forward primer specific for HNF1-alpha
318 <400> SEQUENCE: 23
319 ttctaagctc agccagctgc agacg 25
322 <210> SEQ ID NO: 24
323 <211> LENGTH: 25
324 <212> TYPE: DNA
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: reverse primer specific for HNF1-alpha
331 <400> SEQUENCE: 24
332 gctgaggttc tccggctctt tcaga 25
335 <210> SEQ ID NO: 25
336 <211> LENGTH: 20
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: forward primer specific for cytokeratin-8
344 <400> SEQUENCE: 25
345 caatgccaag ctggaggatc 20
348 <210> SEQ ID NO: 26
349 <211> LENGTH: 20
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: reverse primer specific for cytokeratin-8
357 <400> SEQUENCE: 26
358 acctcaggct ggcaatgact 20
361 <210> SEQ ID NO: 27
362 <211> LENGTH: 24
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial Sequence
366 <220> FEATURE:
367 <223> OTHER INFORMATION: forward primer specific for albumine
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374 <210> SEQ ID NO: 28
375 <211> LENGTH: 25
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial Sequence
379 <220> FEATURE:
380 <223> OTHER INFORMATION: reverse primer specific for albumine
383 <400> SEQUENCE: 28
384 aaggcaagtc agcaggcatc tcatc 25

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/587,398

DATE: 08/09/2006

TIME: 11:13:26

Input Set : A:\PTO.SS.TXT

Output Set: N:\CRF4\08092006\J587398.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date